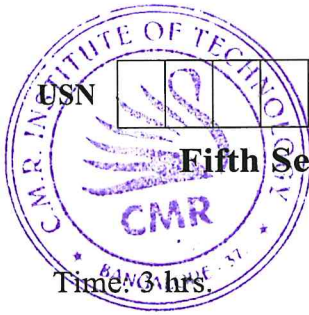


# CBCS SCHEME



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15CS/IS565

**Fifth Semester B.E. Degree Examination, July/August 2022**

## **Cloud Computing**

Time: 3 hrs.

Max. Marks: 80

**Note: Answer any FIVE full questions, choosing ONE full question from each module.**

### Module-1

- 1 a. Define Cloud. Explain Cloud Computing reference model. (08 Marks)  
b. Explain characteristics and benefits of Cloud Computing. (08 Marks)

**OR**

- 2 a. Explain Service Oriented and Utility Oriented Computing. (08 Marks)  
b. Explain the characteristics of the Virtualized Environment. (08 Marks)

### Module-2

- 3 a. With a neat diagram, explain the Cloud Computing Architecture. (08 Marks)  
b. Explain different types of Clouds. (08 Marks)

**OR**

- 4 a. Explain the Anatomy of the Aneka Container. (08 Marks)  
b. Explain Hybrid Cloud deployment mode. (08 Marks)

### Module-3

- 5 a. Define Task Computing. Explain the frameworks for Task Computing. (08 Marks)  
b. Explain Functional decomposition with an example in detail. (08 Marks)

**OR**

- 6 a. Explain Aneka Task Libraries. (08 Marks)  
b. What is Thread? Explain different types of Thread APIs. (08 Marks)

### Module-4

- 7 a. What is Data Intensive Computing? Explain the challenges in DIC. (08 Marks)  
b. Explain the Variation and Extension of Map – Reduce Programming Model. (08 Marks)

**OR**

- 8 a. Explain Map – Reduce Programming Model. (08 Marks)  
b. Explain the following Map – Reduce like frameworks : (08 Marks)  
i) Pig ii) Hive iii) Hadoop iv) Twister.

### Module-5

- 9 a. Explain the Google App Engine Platform Architecture. (08 Marks)  
b. Explain ECG analysis in Cloud. (08 Marks)

**OR**

- 10 a. Explain Amazon Web Service (AWS) in detail. (08 Marks)  
b. Explain the role of Cloud technologies for Social Networking. (08 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

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